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ACQUISITION CENTER OF EXCELLENCE (ACE)

A BRIDGE TO THE FUTURE



ACQUISITION CENTER OF EXCELLENCE

ACE PROGRAM INFORMATION BRIEF

PRESENTED BY

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PRA000 03/14/97



ACQUISITION REFORM IMPERATIVE

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- Eroding resources mandates dramatic change in the way we do business
- Acquisition processes must be re-engineered
- Need sustained cultural change

“Acquisition reforms have had limited effectiveness because of ... limited ability to effect cultural changes”

CRITICAL ISSUES IN THE
DEFENSE ACQUISITION CULTURE

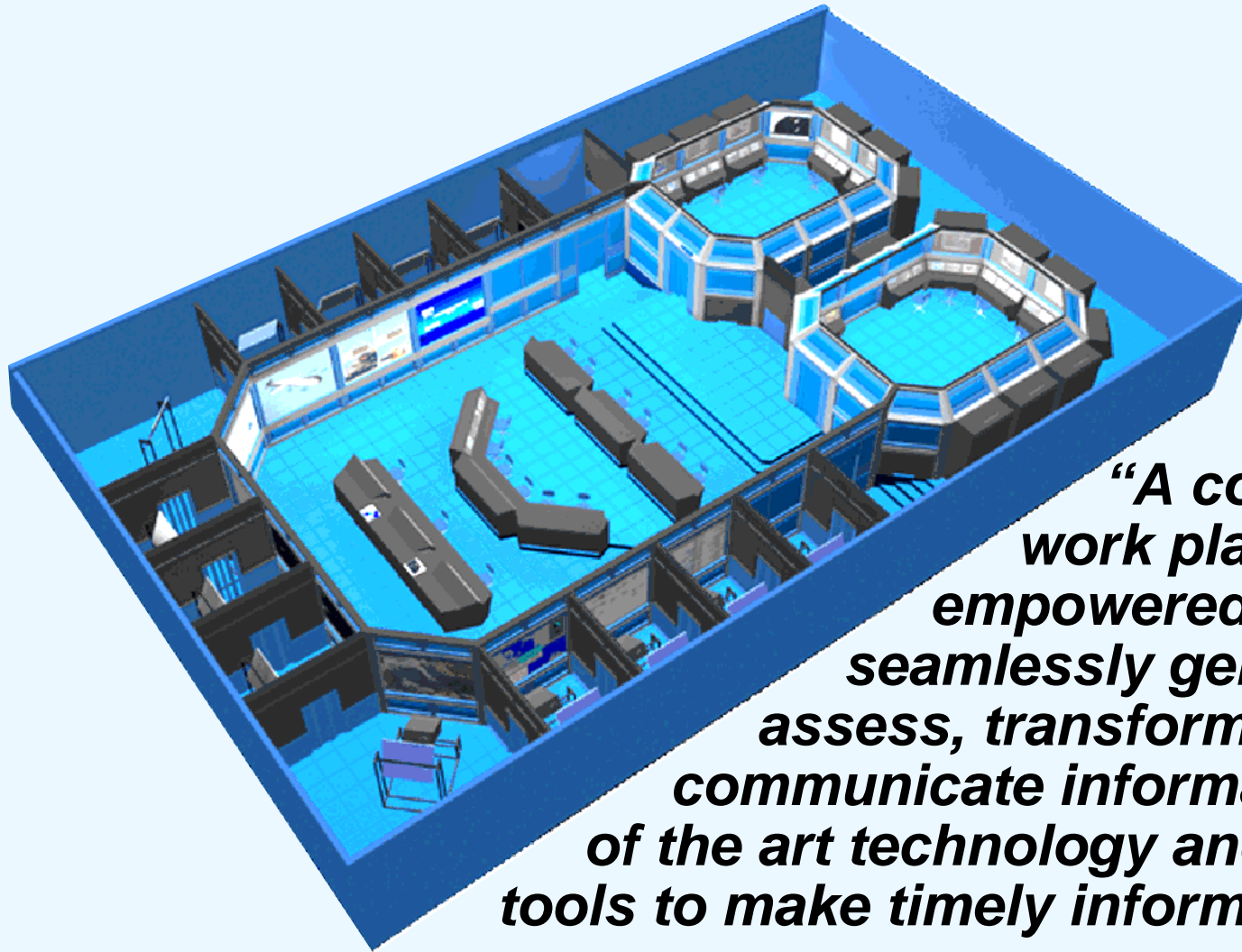
J. RONALD FOX, PROJECT CHAIRMAN

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ENVISION THE FUTURE...

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“A collaborative work place where empowered teams can seamlessly generate, access, assess, transform and communicate information with state of the art technology and integrated tools to make timely informed decisions”

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ENVISION THE FUTURE...

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TOTAL
OWNERSHIP
COST



TIME

CYCLE TIME



TIME

PERFORMANCE



TIME

“An immersive environment that enables interaction with digital representations of products and processes to make cost and performance decision tradeoffs that drastically reduce total ownership cost and acquisition cycle time”

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ENVISION THE FUTURE...

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***“New programs
are jump started
using lessons of the
past, the warfighter is
involved early and
continuously, and programs
achieve enhanced stability”***

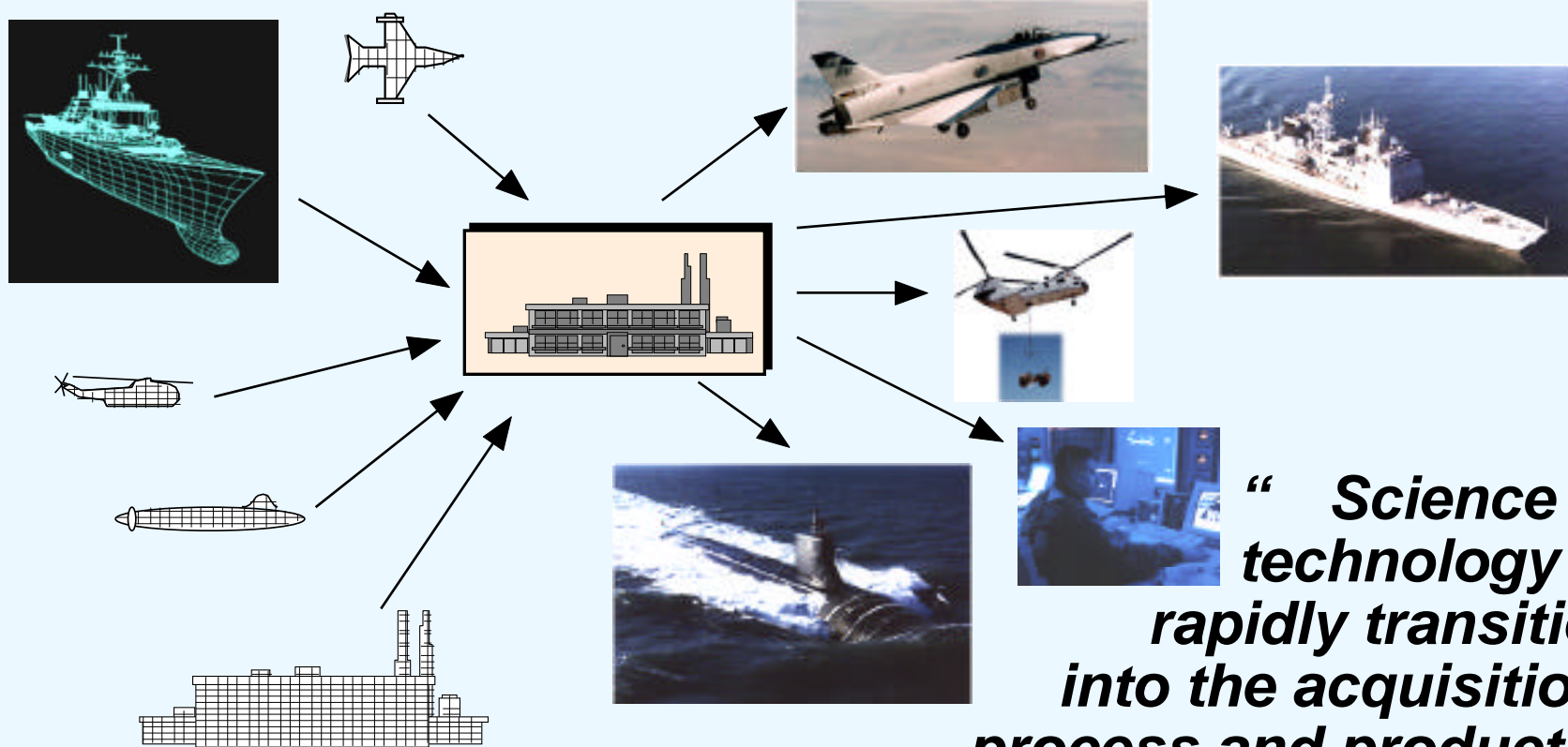
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ENVISION THE FUTURE...

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“ Science and technology is rapidly transitioned into the acquisition process and products are designed and produced by our integrated world class industrial partners”

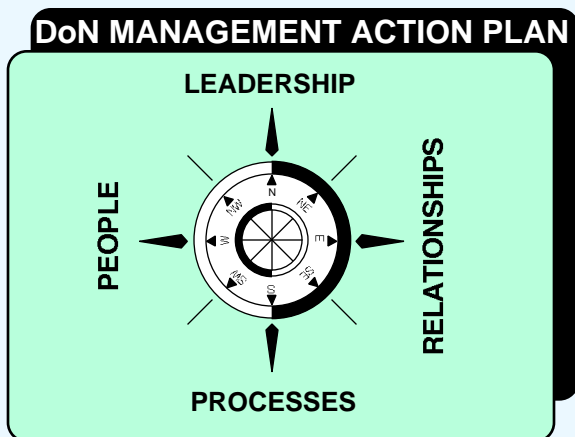
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ACE VISION

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“Establish an ACE to accelerate cultural changes required to implement Acquisition Reform”

REQUIREMENTS



“The desired outcome of this effort will be the institutionalization of innovation and technology insertion in all phases of the acquisition process... facilitated by an operational ACE”

VISION

The ACE vision is to develop and focus the tools, processes, and technologies that will enable our acquisition management teams to reduce the total cost of acquisition and provide a foundation for cultural change.

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ACE PROGRAM PLAN

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OBJECTIVES

1. **Conduct enabling R&D and provide the critical focus of the methods, processes, and technologies that form the foundations of a Simulation Based Acquisition (SBA) enterprise**
2. **Establish the acquisition and technology coalitions with DoD components and the national industrial base**
3. **Test and evaluate candidate products and processes which support Simulation Based Acquisition**
4. **Collect, organize, and provide access to a repository of all metrics, validated tools, lessons learned, success stories, “world-class” strategies, and “world-class” practices**
5. **Apply the evolving developments in a real program context by immersing acquisition management teams in the ACE**
6. **Provide the pilot training in IPT & IPPD approaches to accelerate the cultural change necessary to exploit these developments**

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ACE COLLABORATIONS

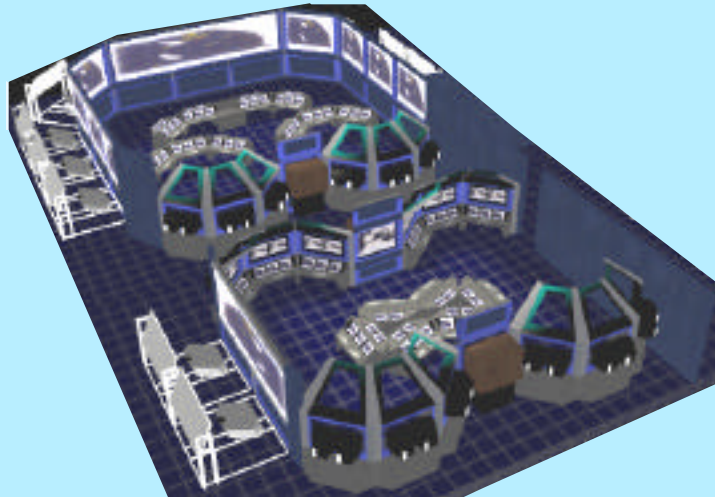
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Jump start new projects - a 'skunk works' management environment that provides hands-on applications

Virtual enterprise capability to support group processes and workflow analyses

Workspace for PM/resource sponsor/warfighter/industry trade-off decisions

Integrated Product and Process Development (IPPD) application



Advanced acquisition business wargaming capability

Investigate modeling, simulation, decision tools, collaboration, concurrent design & development, and team learning approaches

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ACE RESEARCH & RESOURCES

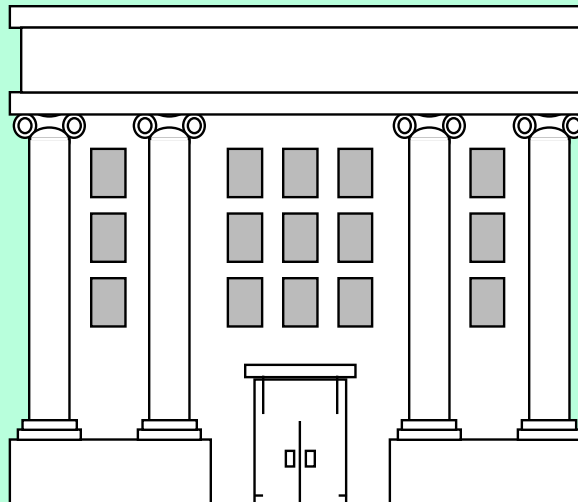
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Program Managers
Assistance Group (PMAG)

Gather, test and evaluate 'best in class' practices, and apply to DoN processes

Electronically accessible
resource library

Storehouse for lessons
learned, success stories,
benchmarks, and proven
practices



1-800 ACQ-REF Help desk

Focal point for DoN business
process re-engineering
guidelines

Center for deploying the DoN
acquisition reform message

Assess acquisition reform performance
and provide feedback for DoN business
process re-engineering

Experts and facilitators

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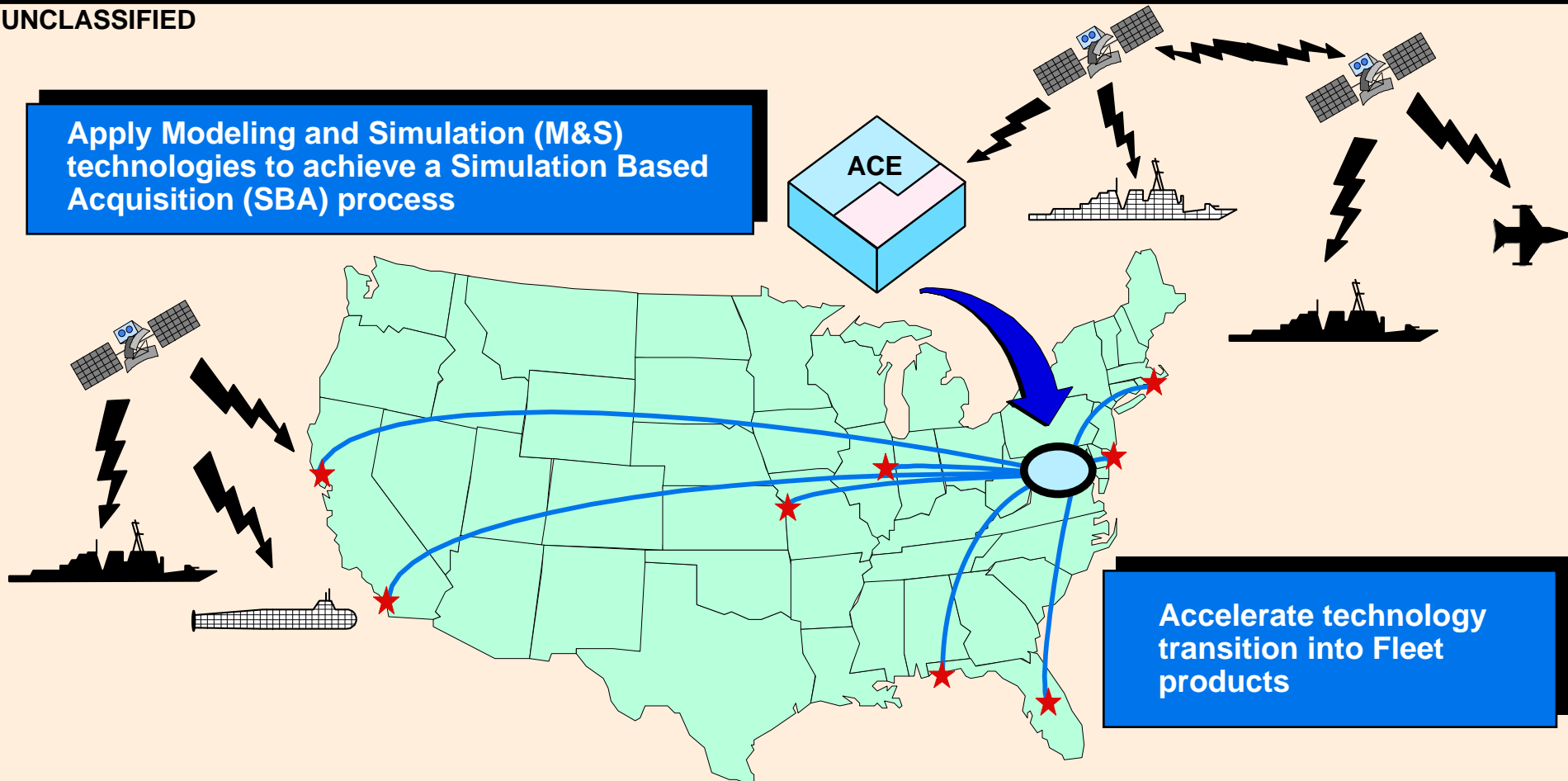
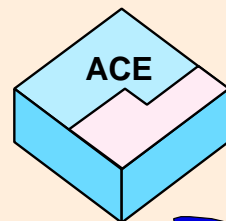
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ACE VIRTUAL PROTOTYPING

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Apply Modeling and Simulation (M&S) technologies to achieve a Simulation Based Acquisition (SBA) process



Accelerate technology transition into Fleet products

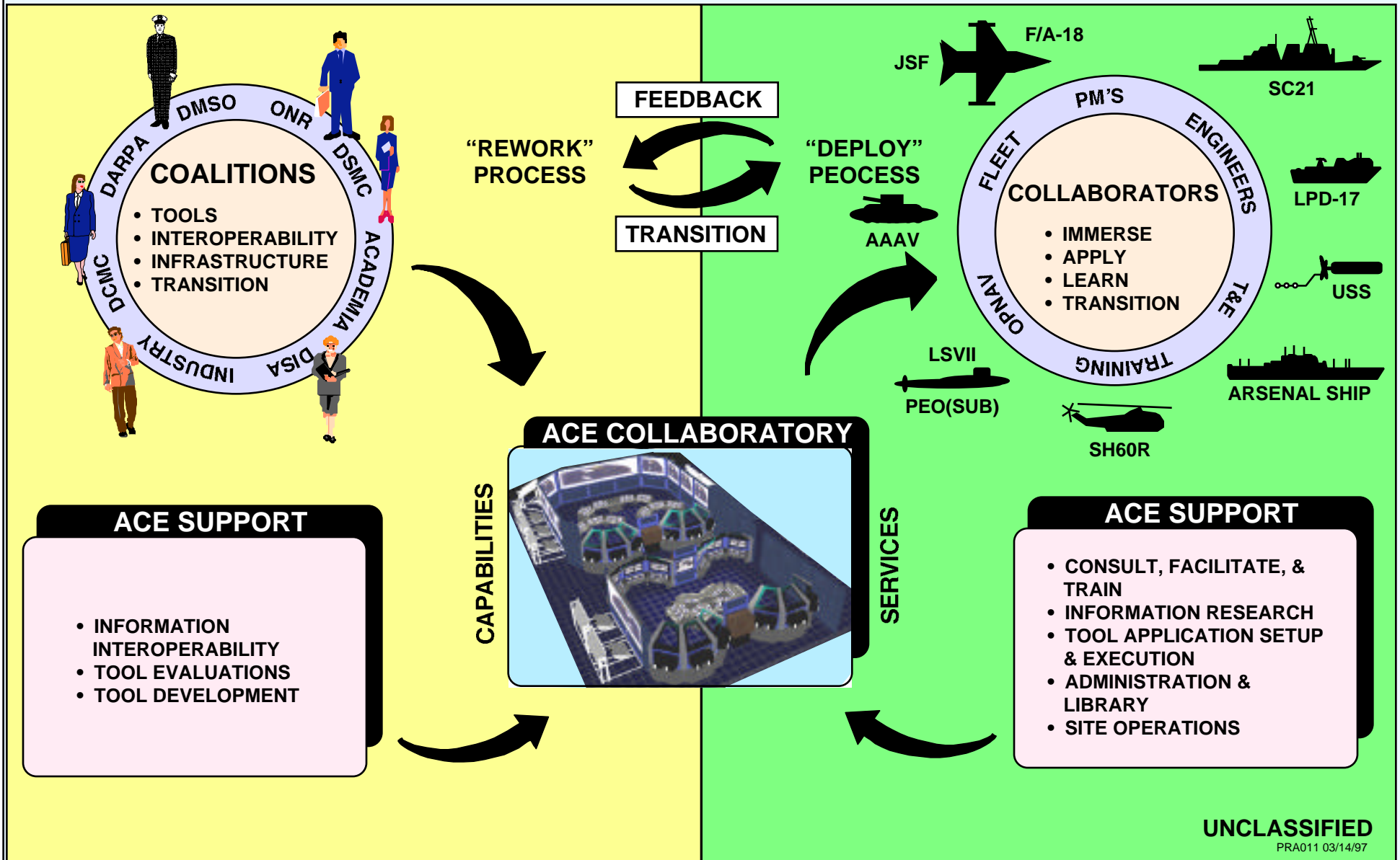
Establish a node to enable geographically dispersed collaborative virtual prototyping and dynamic business modeling

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ACE CONCEPT OF OPERATIONS

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CONSTRUCTION STATUS

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- **Location**
Bldg. 22, Washington Navy Yard
Washington, D.C.
- **Contract Status**
 - Concrete and steel - Awarded
 - Mechanical and electrical power - In negotiation
- **Site Preparation Initiated**
- **Functional Integration Testing Efforts can Begin as Soon as Funds are Released**
- **Architectural Integration Begins in June**
- **Fully Operational in October**

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NEAR-TERM ACE TARGET PROJECTS

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- Establish learning organization coalition with MIT
- Host pilot standard procurement systems demos
- Host additional IPPD training
- Conduct technical performance measurement workshop
- Conduct risk management workshop
- Host electronic source selection demonstrations
- Host electronic NPR sponsored town hall meeting
- Lean aircraft initiative awareness briefing
- BPR market survey outbrief (C&L)

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ACE NEAR-TERM TARGET PROJECTS (CONT.)

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- **On-site assisted electronic research**
- **SBA research colloquium**
- **Financial management redesign seminar (ABC/Chrysler)**
- **MANTECH research database**
- **Commercial item technical insertion exchange (NSWC Crane)**
- **CAIV awareness briefing (TASC/Rockwell)**
- **Implementation strategies on DoN specific policy (CAIV/OSA)**

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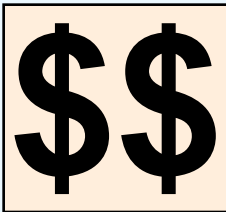


ACE FACILITY MILESTONES

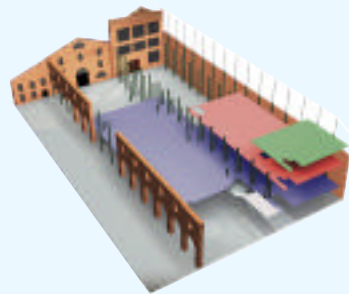
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CNO APPROVAL
4/2/96



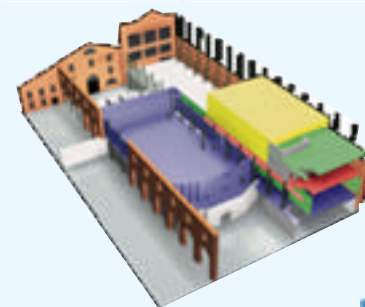
ACE FACILITY
FUNDS
6/12/96



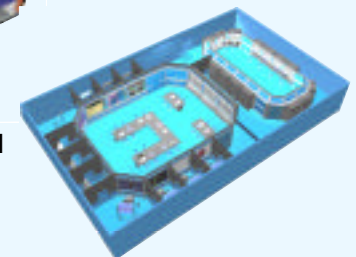
CONVERSION &
ALTERATIONS BEGIN
9/17/96



SECNAV
ENDORSEMENT &
GROUNDBREAKING
10/17/96



BLDG 22 CONVERSION
COMPLETED
5/97



ACE BASELINE
CAPABILITIES
10/97

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PRA015 03/15/97



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